

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problems Mailbox.**

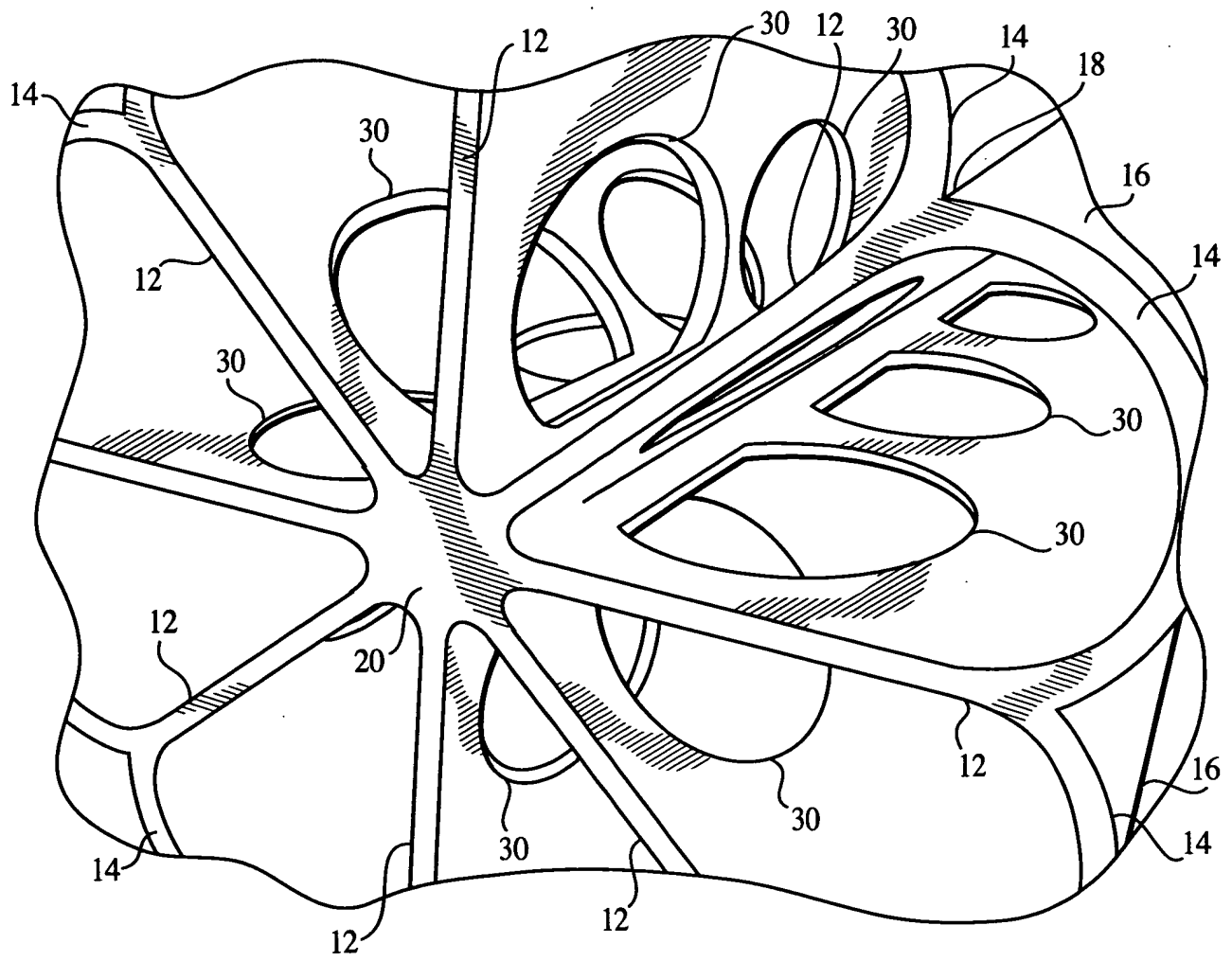
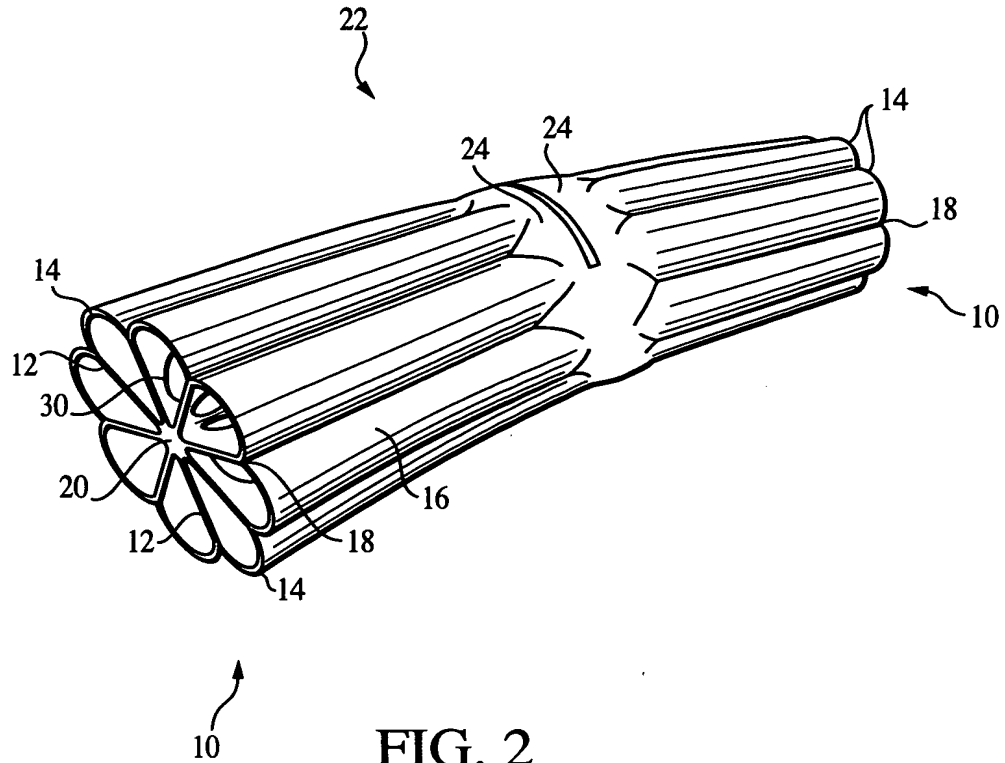


FIG. 1

20021930.060402



10021930.060402

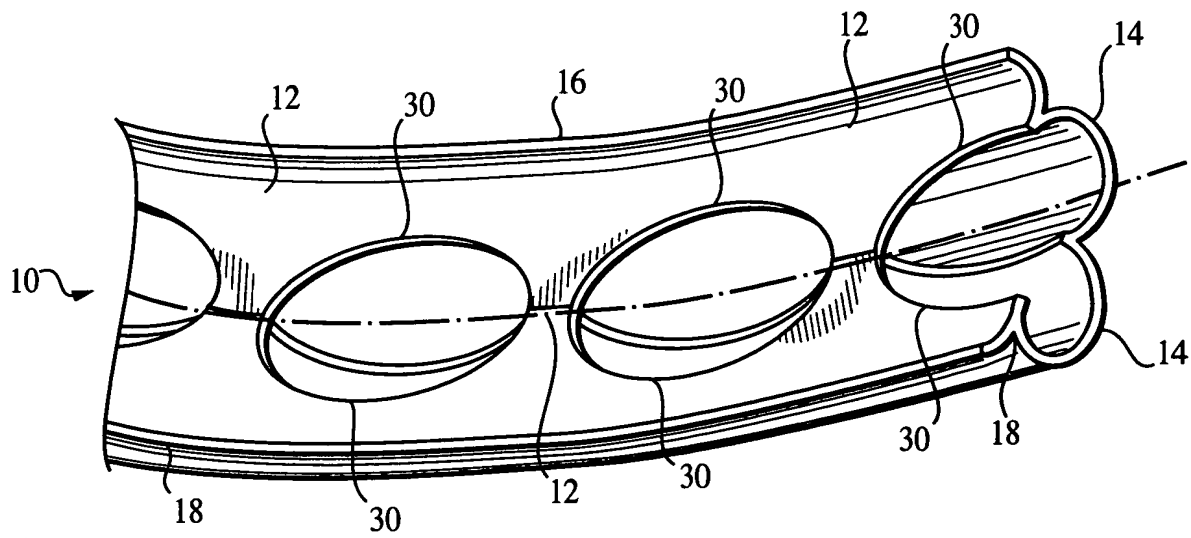


FIG. 3

10021930.060402

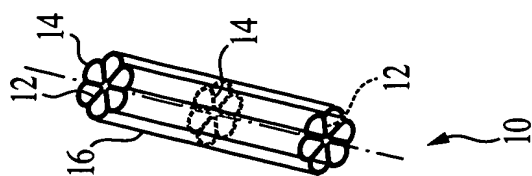


FIG. 4D

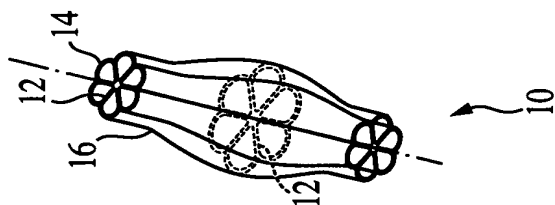


FIG. 4C

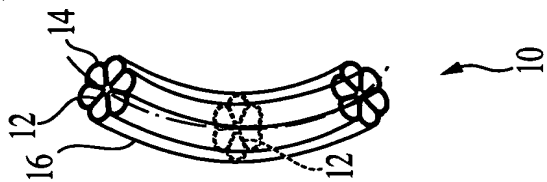


FIG. 4B

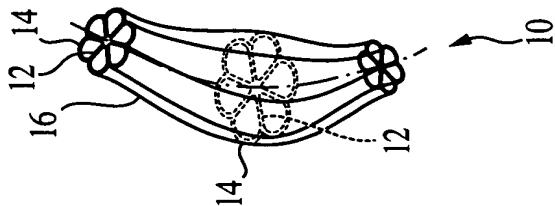


FIG. 4A

2010030 DE612001

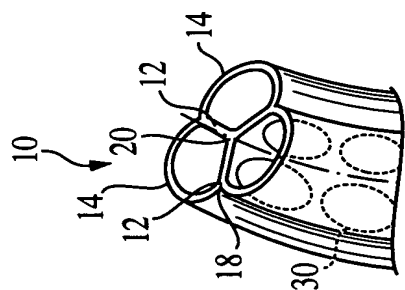


FIG. 5A

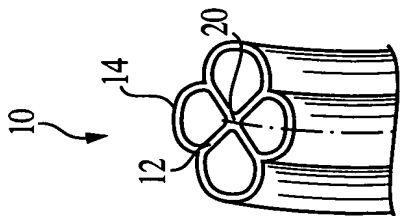


FIG. 5B

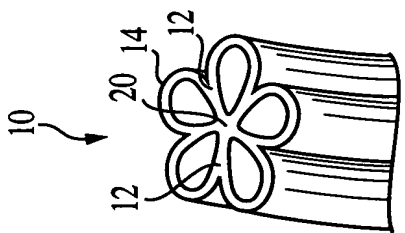


FIG. 5C

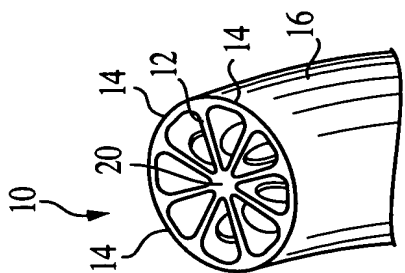


FIG. 5D

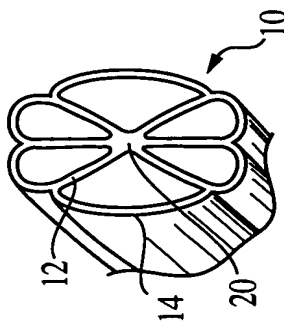


FIG. 6A

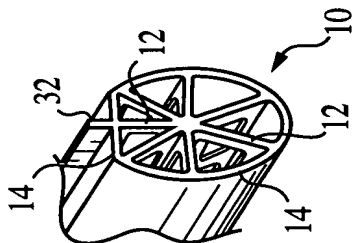


FIG. 6B

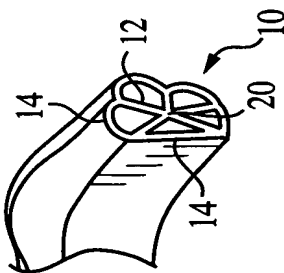


FIG. 6C

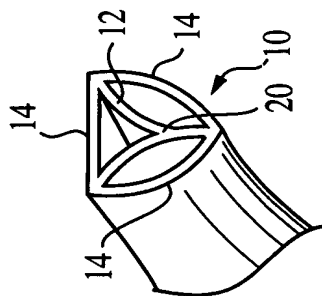


FIG. 6D

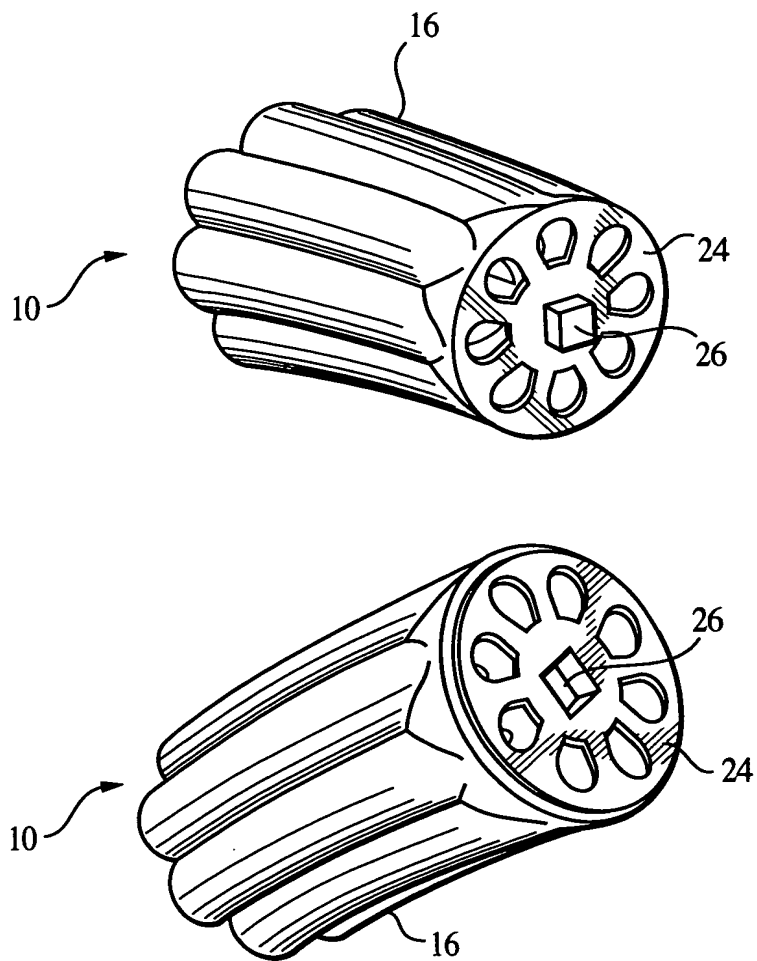
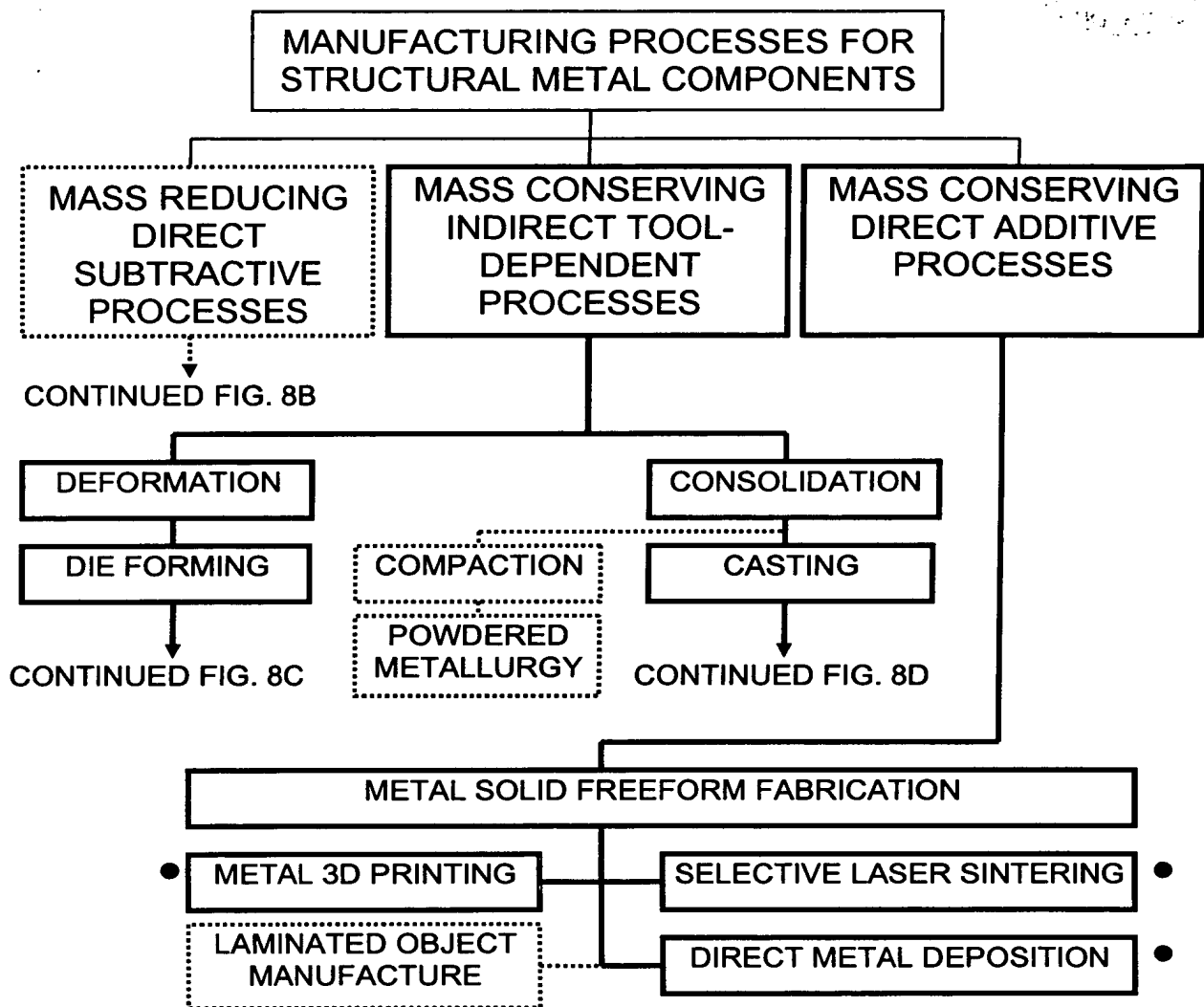


FIG. 7

204090" 050402 10021930-050402

FIG. 8A



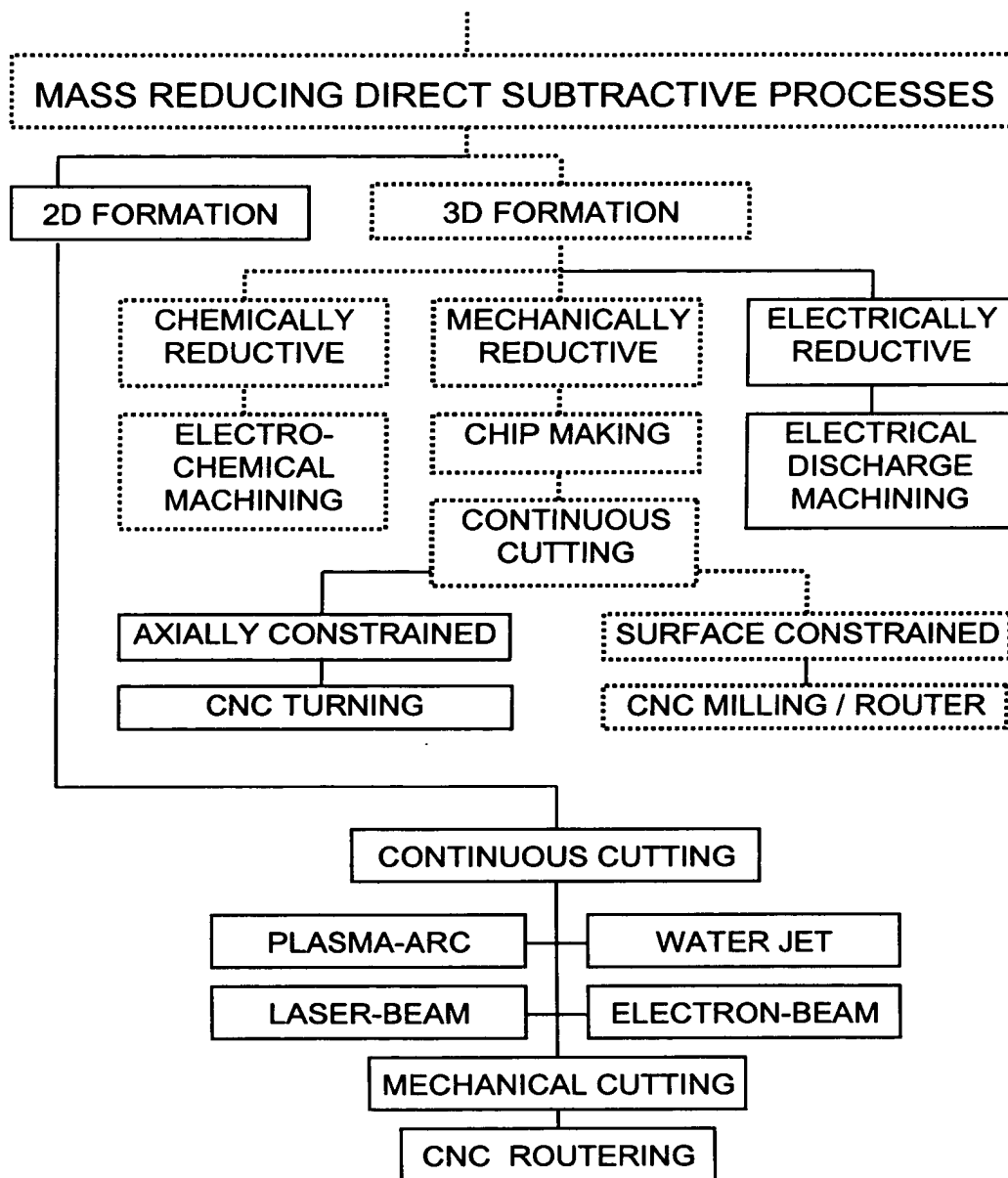
# LEGEND

- PROCESS WITH NO CAPACITY TO PRODUCE COMPLEXLY-SHAPED SOLID COMPONENTS.
- PROCESS CAPACITY TO PRODUCE COMPLEXLY-SHAPED TUBULAR AS WELL AS SOLID COMPONENTS.
- PROCESS WITH CAPACITY TO PRODUCE COMPLEXLY-SHAPED TUBES WITH VERY LIMITED INTERNAL FEATURES.
- PROCESS WITH CAPACITY TO PRODUCE COMPLEXLY-SHAPED TUBES WITH EXTENSIVE INTERNAL FEATURES.
- PROCESS WITH NO CAPACITY TO PRODUCE COMPLEXLY-SHAPED SOLID OR TUBULAR COMPONENTS.

10021930.060402

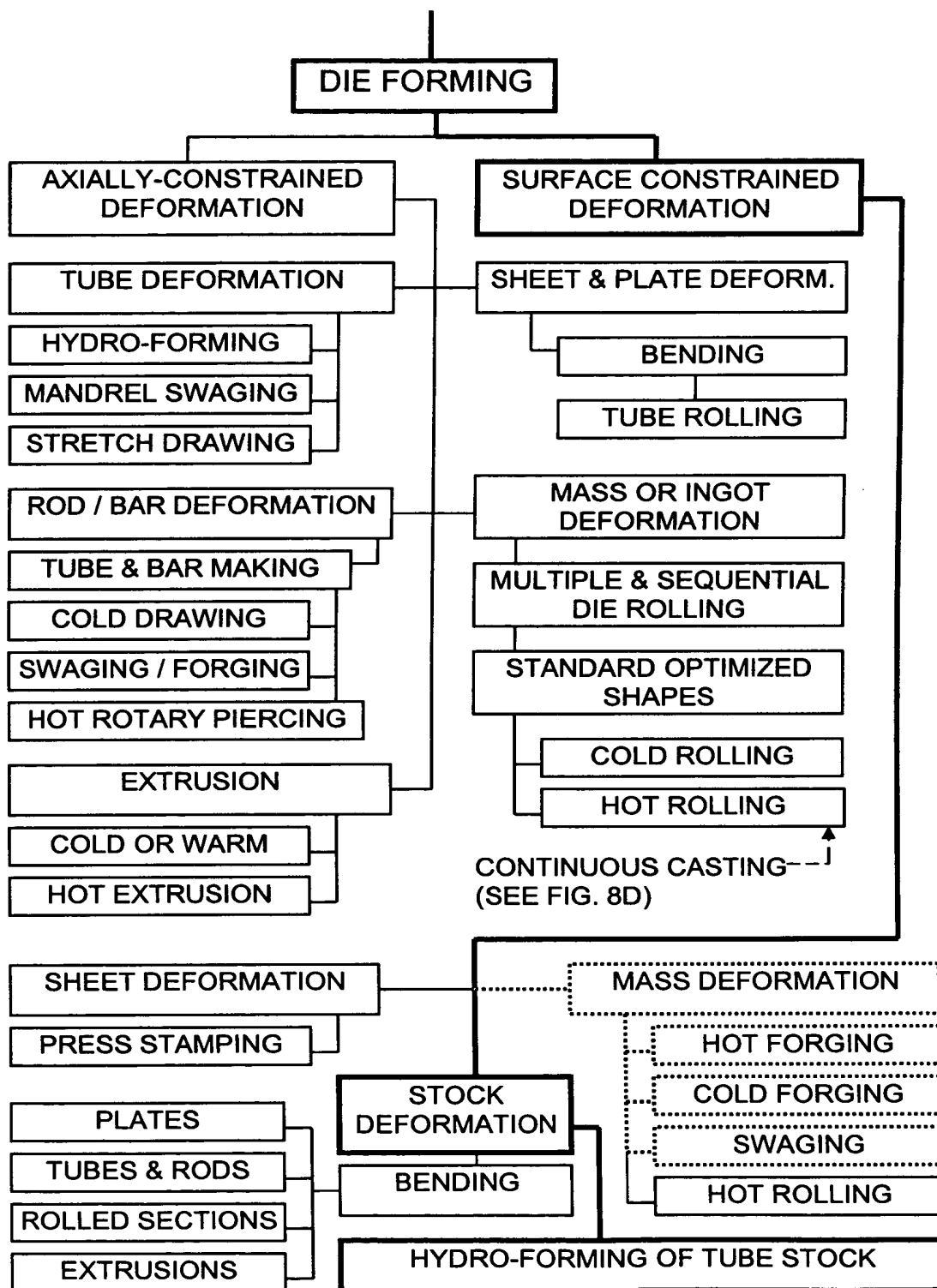


FIG. 8B



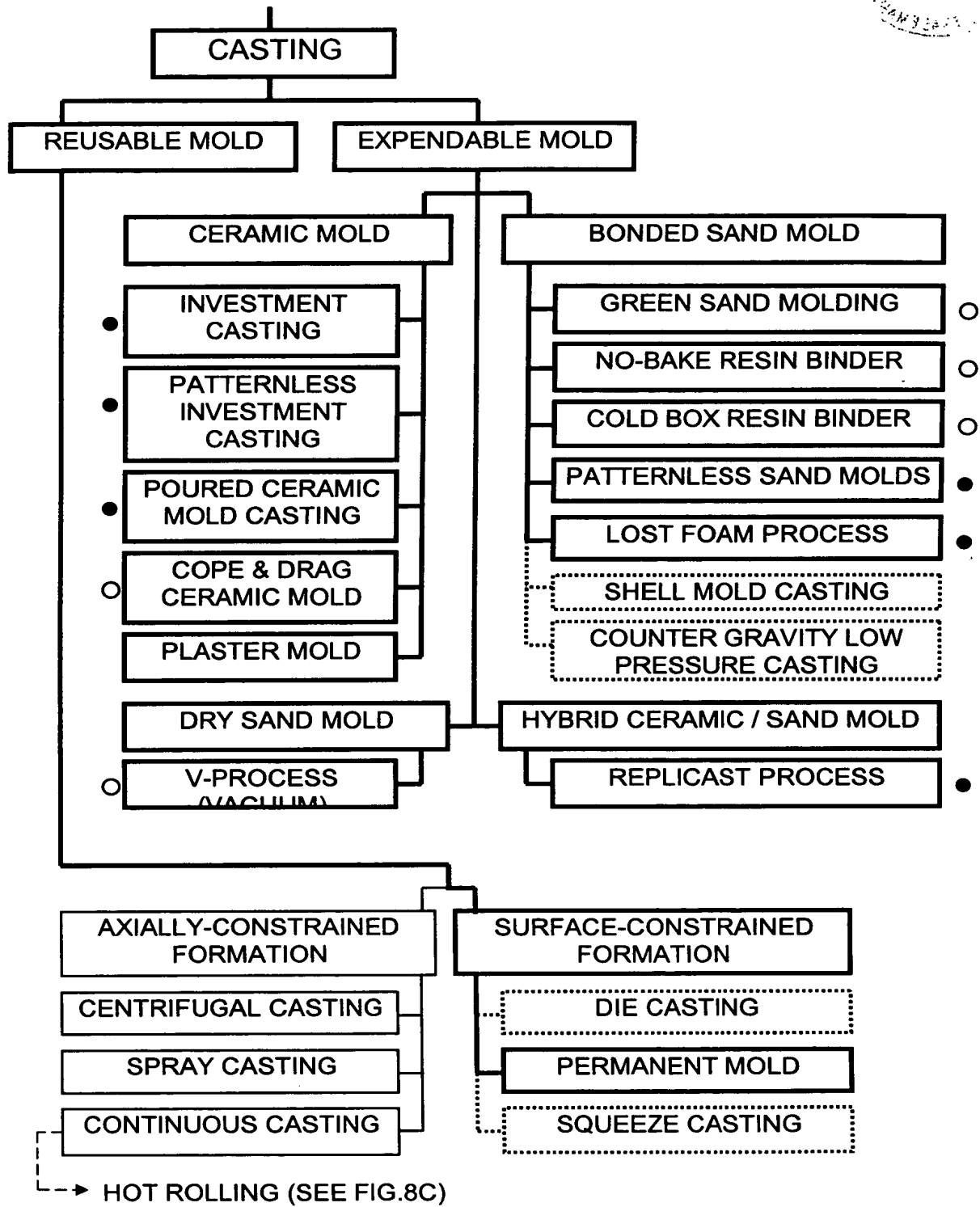
10021930-050402

FIG. 8C



10021930.06612001

FIG. 8D



10021930.060402

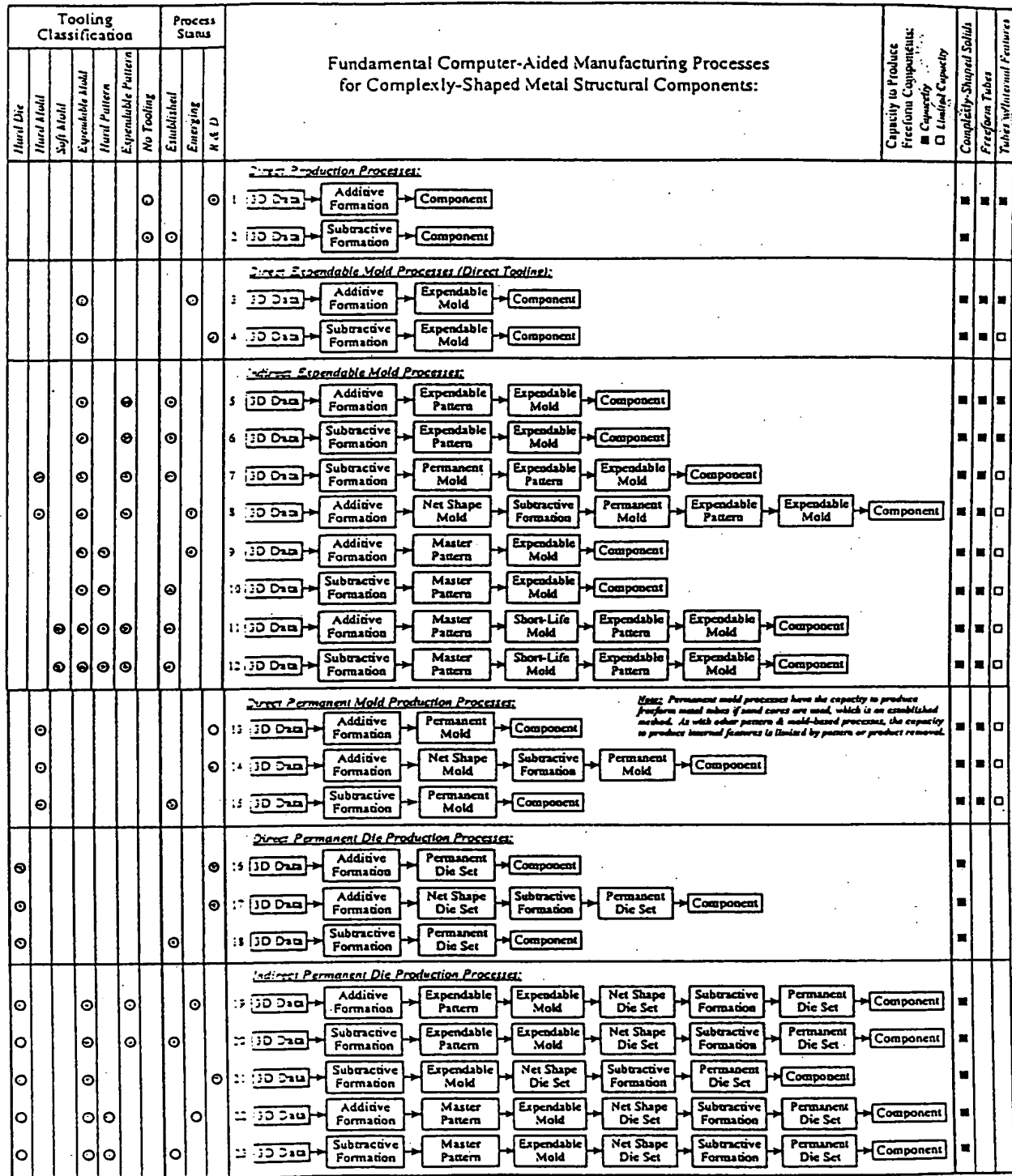


FIG. 9

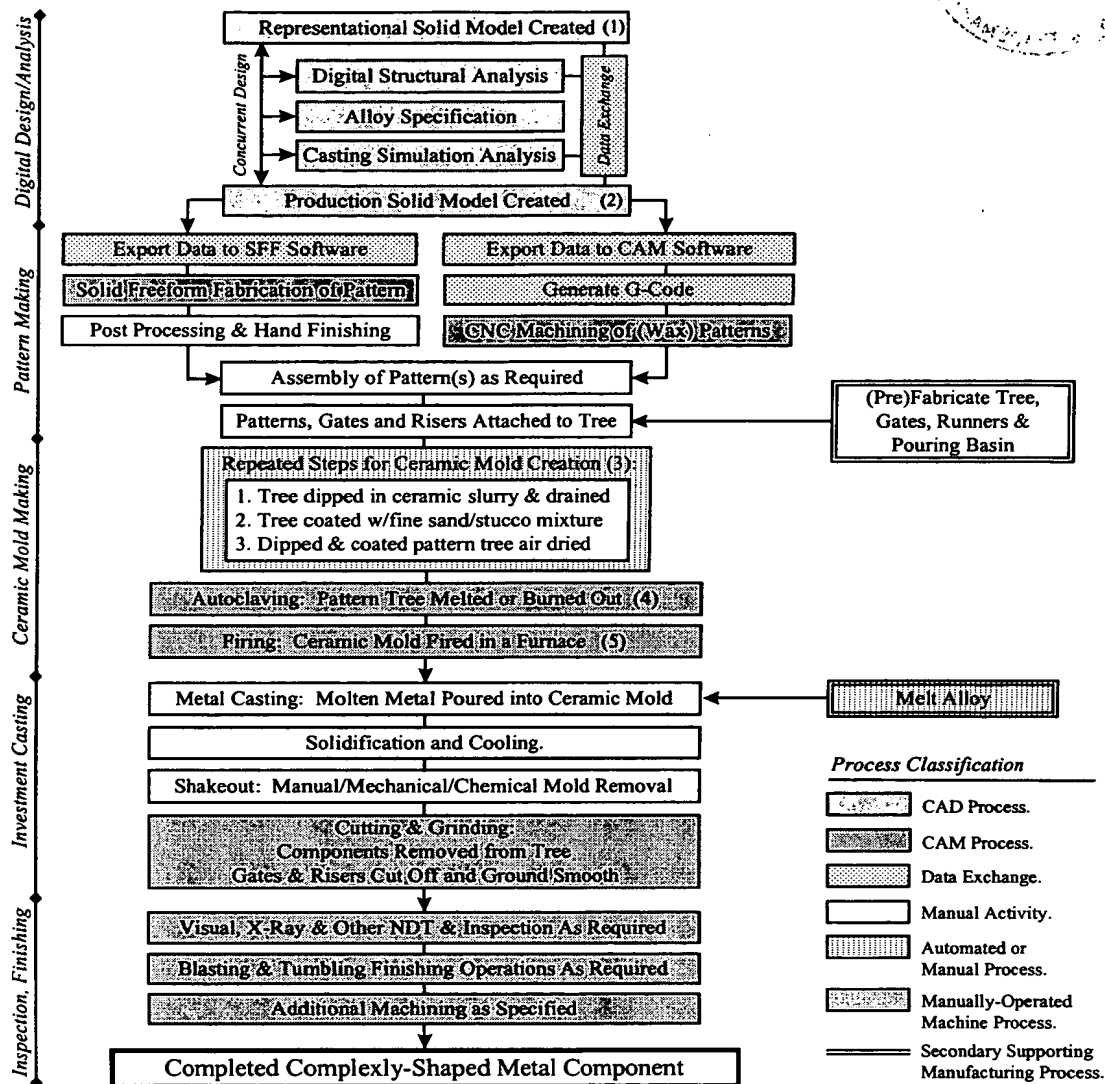


FIG. 10

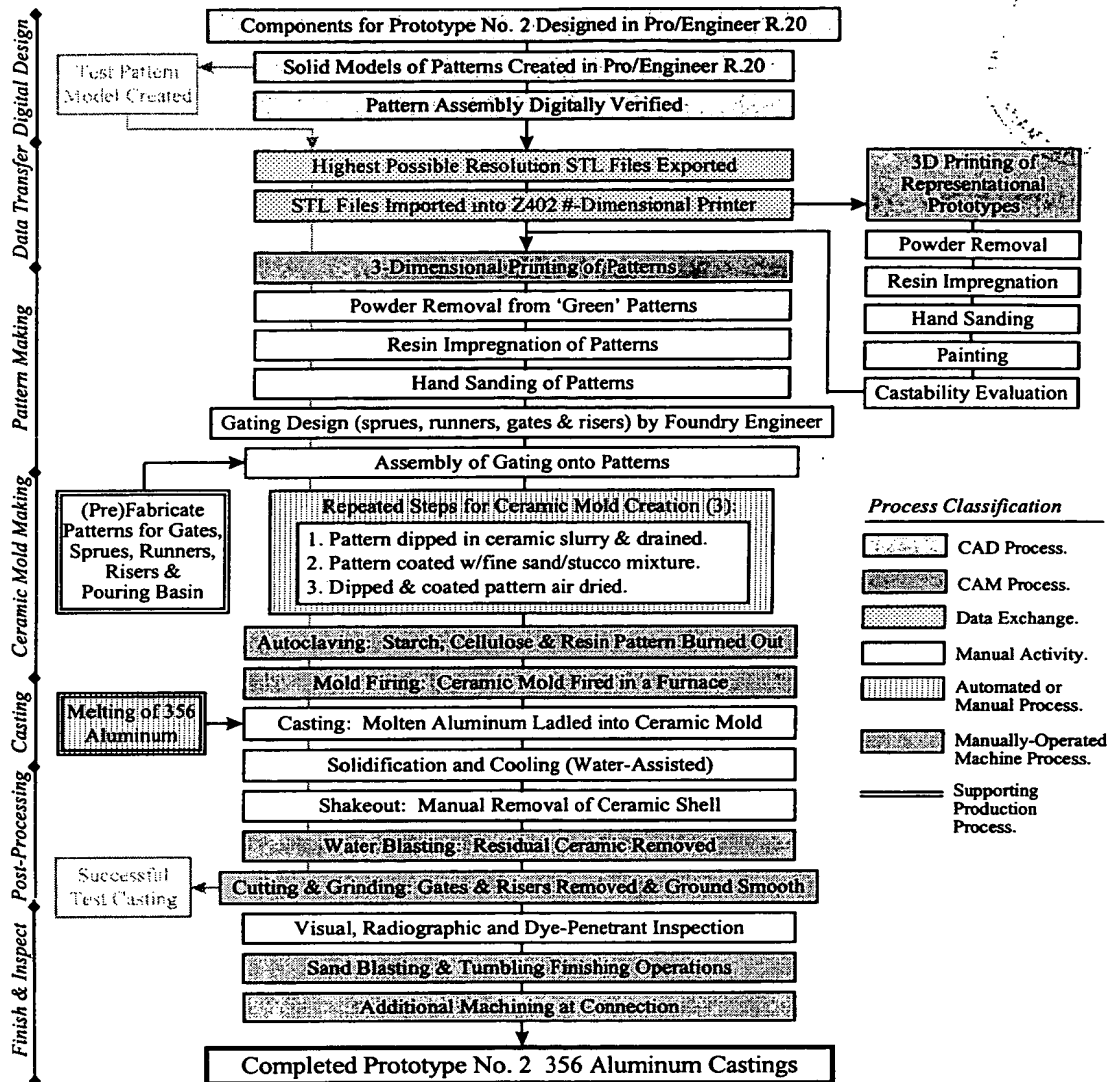


FIG. 11

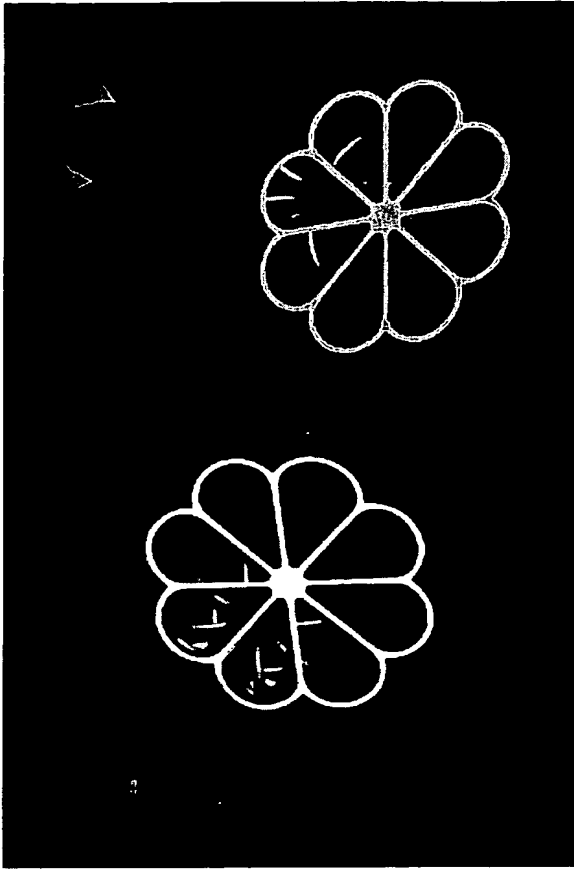


FIG. 12

10021930.060402



FIG. 13

204090" 066T200T



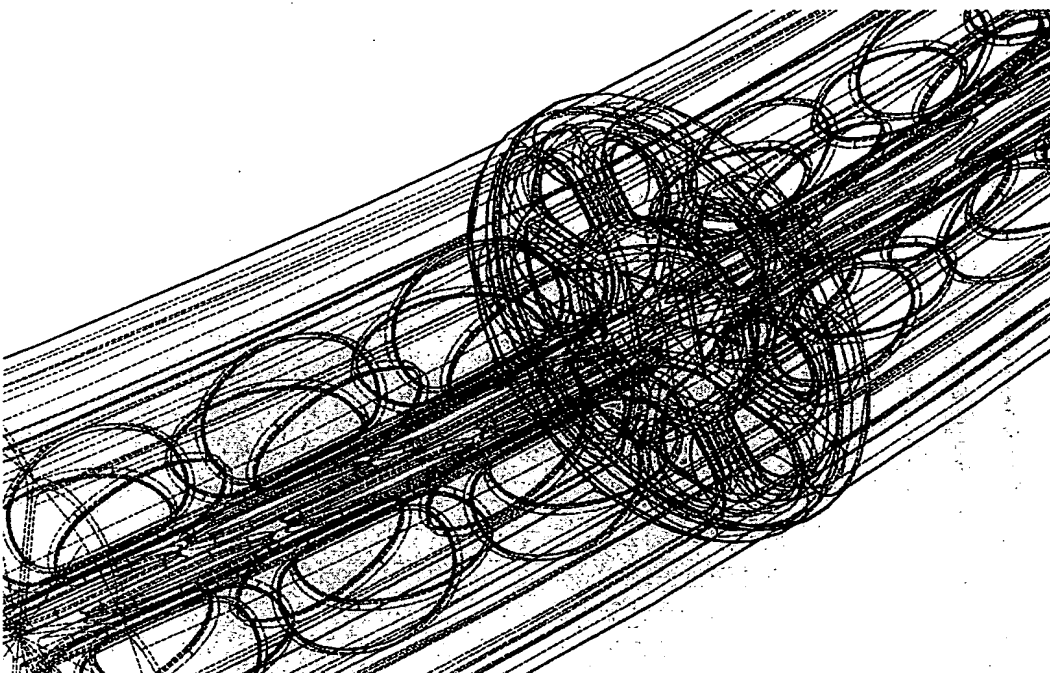
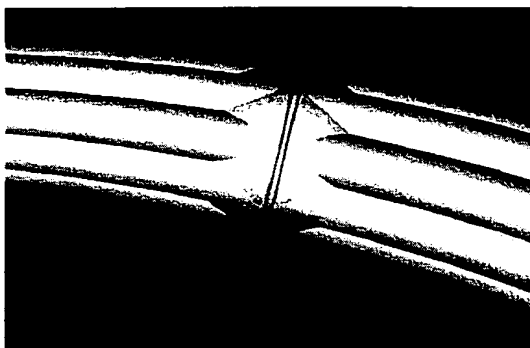


FIG. 14

204090.06612001

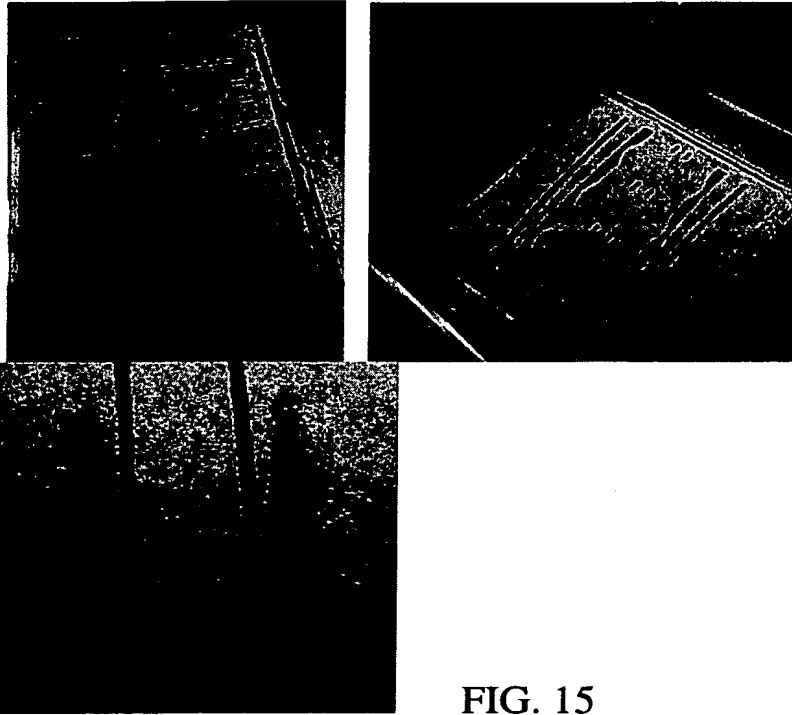
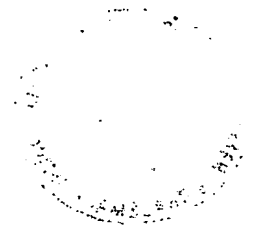


FIG. 15

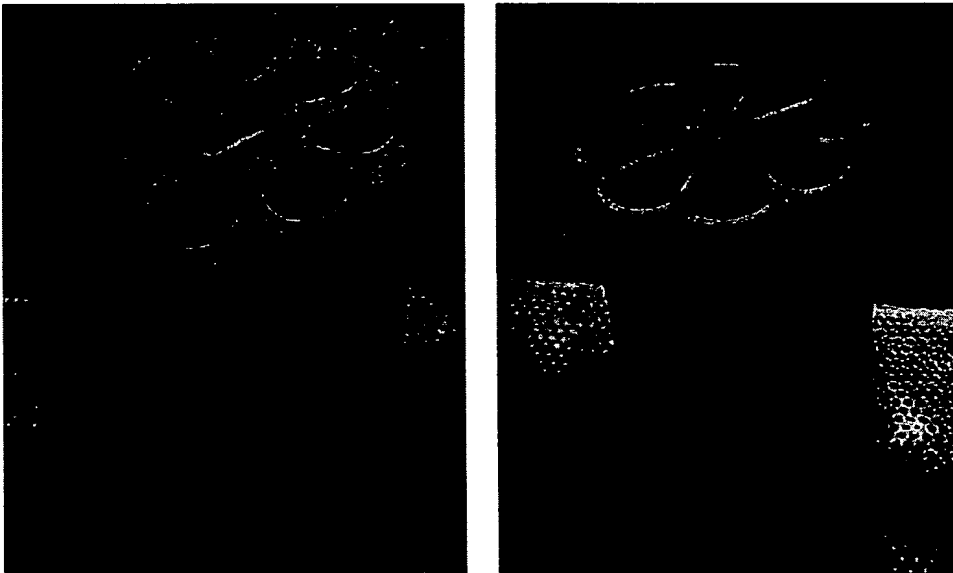


FIG. 16

10021930.060402

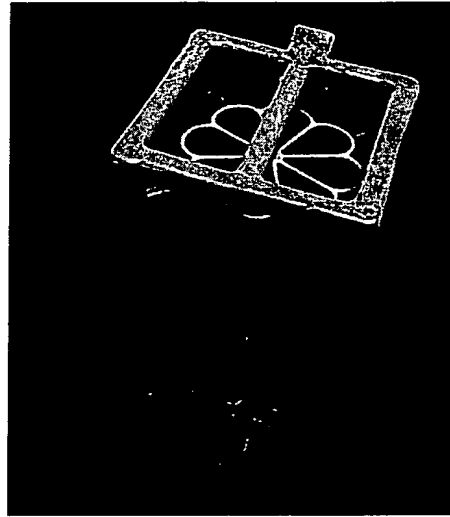
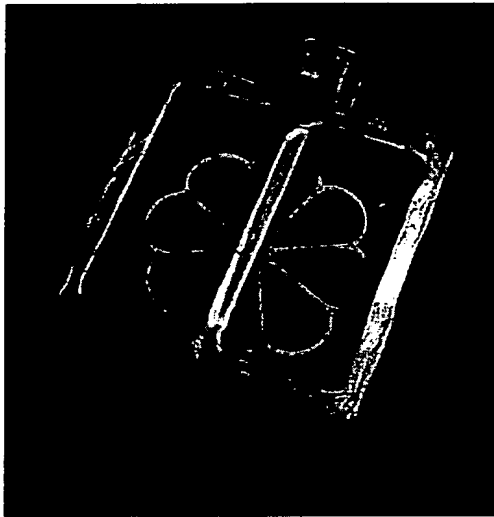


FIG. 17

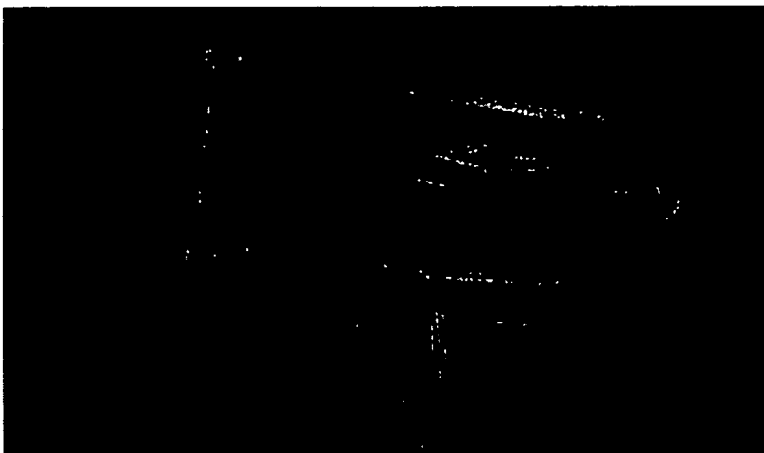
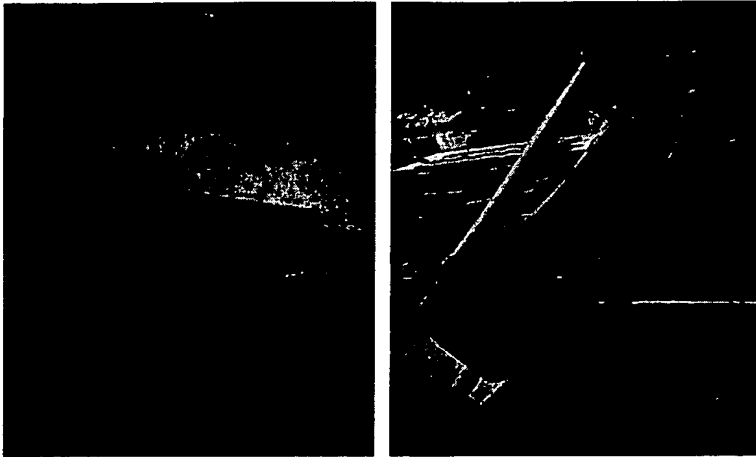


FIG. 18

204090-060402 10021930-060402



UNITARY METAL STRUCTURE MEMBER WITH INTERNAL...

FIG. 19

10021930-060402

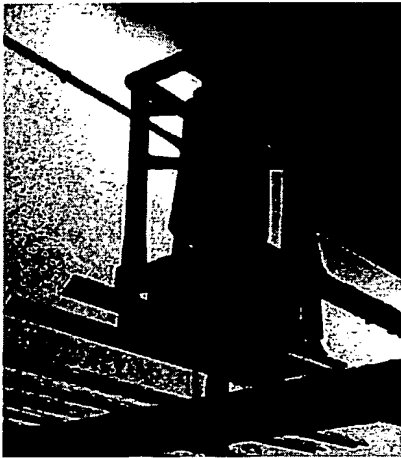


FIG. 20

10021930.060402

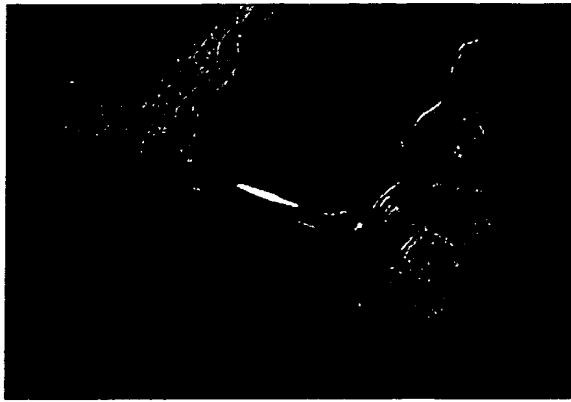
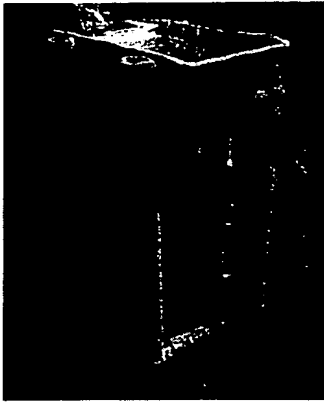


FIG. 21

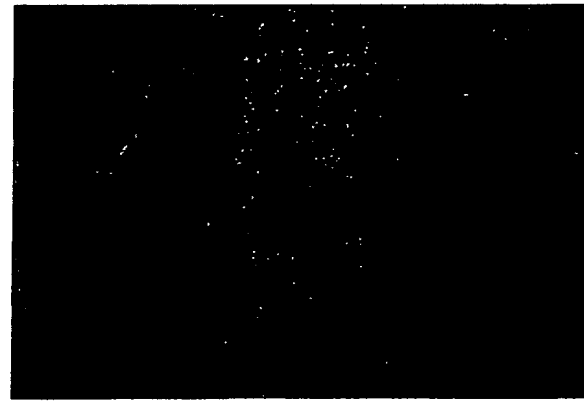


FIG. 22



FIG. 23

10021930-060402



FIG. 24

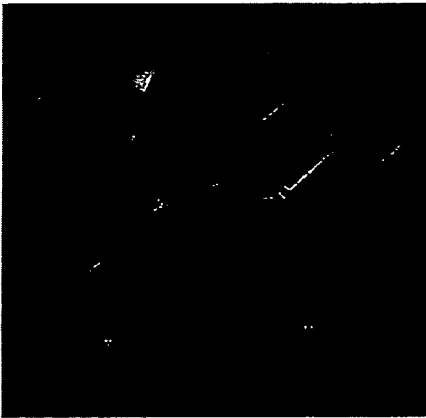


FIG. 25



FIG. 26

10021930-060402



FIG. 27

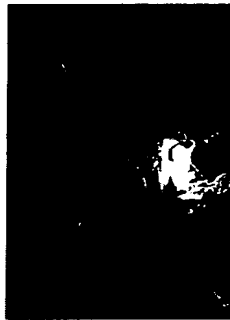


FIG. 28



FIG. 29

10021930-060402



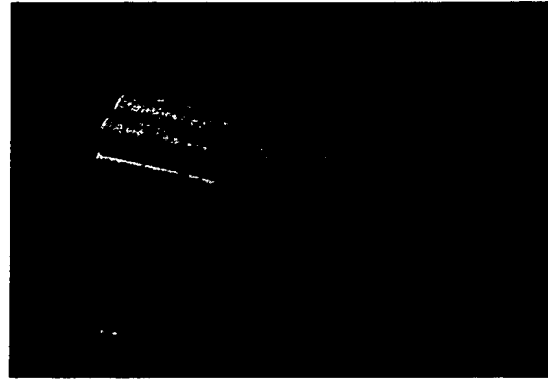
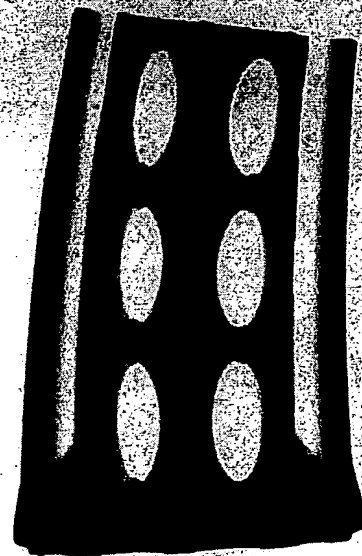
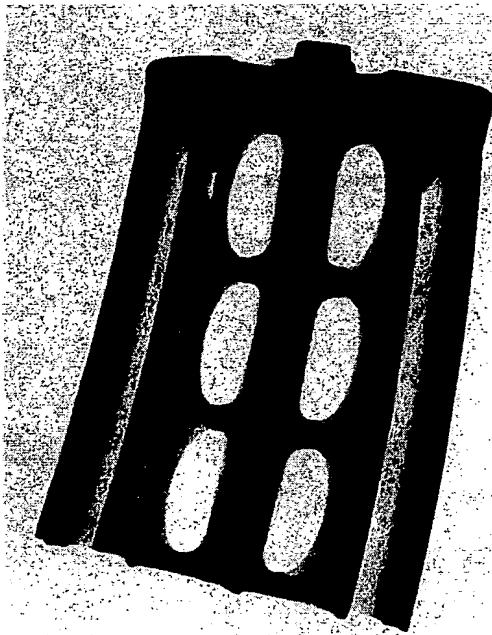


FIG. 30



31A

31B

FIG. 31

10021930.060402

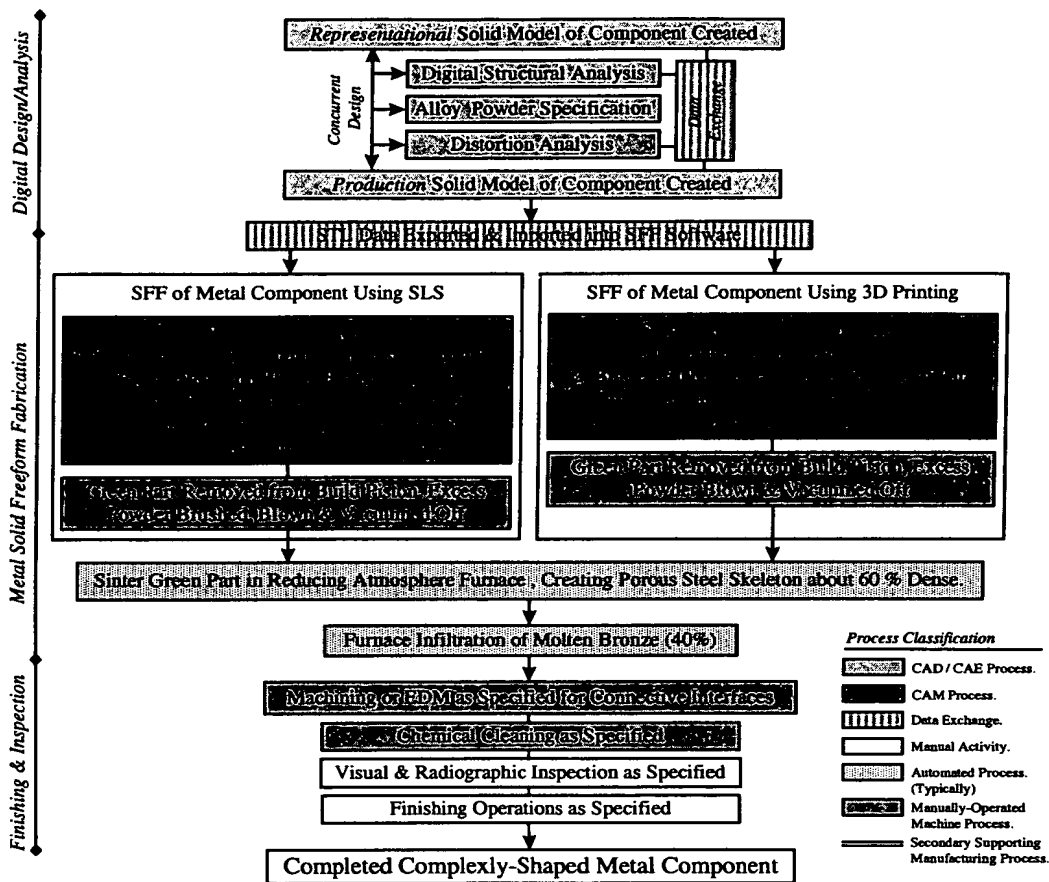


FIG. 32